





FIG. 2

sqrt	
-oo	The result is the positive NaN value 0 11111111 1000000000000011001ouzx (to indicate "square root of less than zero" with the invalid operation flag set), where ouzx is the four least significant bits $f_{lsb+3} \dots f_{lsb}$ of the fraction field of the operand
-OV	The result is the positive NaN value 0 11111111 10000000000000110011001 (to indicate "square root of less than zero" with the invalid operation, overflow, and inexact flags set).
-P	The result is the positive NaN value 0 11111111 10000000000000110010000 (to indicate "square root of less than zero" with the invalid operation flag set).
-UN	The result is the positive NaN value 0 11111111 10000000000000110010101 (to indicate "square root of less than zero" with the invalid operation, underflow, and inexact flags set).
-0	The result is -0.
+0	The result is +0
+UN	For "round toward plus infinity", the result is the same as if +UN were replaced by +TINY; for all other rounding modes, the result is +UN
+P	The result is as computed in accordance with IEEE Std. 754.
+OV	For "round toward minus infinity", the result is the same as if +OV were replaced by +HUGE; for all other rounding modes, the result is +OV.
+oo	The result is the same as the operand.
NaN	The result is the same NaN value, except that the sign of the result is always +

FIG. 3

1--10----	[-NaN]	--	*	00	0	0	001	1000	1	00000	[+NaN op1 f1]
1--11----	[-Inf]	--	*	00	0	0	001	0001	1	10000	[+"sqrt neg" f1 n]
1-1----1-	[-OV]	--	*	00	0	0	001	0001	0	11001	[+"sqrt neg" nox]
1-----1	[-Q]	--	*	00	0	0	001	0001	0	10000	[+"sqrt neg" n]
11----1--	[-UN]	--	*	00	0	0	001	0001	0	10101	[+"sqrt neg" nux]
11---1---	[-0]	--	*	00	0	1	100	0100	0	00000	[-0]
01---1---	[+0]	--	*	00	0	0	100	1000	0	00000	[+0]
01----1--	[+UN]	0-	*	00	0	0	100	1000	0	00001	[+UN]
01----1--	[+UN]	10	*	11	1	0	000	0000	0	00000	[sqrt (TINY)]
01----1--	[+UN]	11	*	00	0	0	100	1000	0	00001	[+UN]
0-----1	[+P]	--	*	00	1	0	001	0000	0	00000	[sqrt (P)]
0-1----1-	[+OV]	0-	*	00	0	0	010	0010	0	11111	[+OV]
0-1----1-	[+OV]	10	*	00	0	0	010	0010	0	11111	[+OV]
0-1----1-	[+OV]	11	*	01	1	0	000	0000	0	00000	[sqrt (HUGE)]
0111----	[+Inf]	--	*	00	0	0	001	1000	1	00000	[+Inf op1 f1]
0110----	[+NaN]	--	*	00	0	0	001	1000	1	00000	[+NaN op1 f1]

FIG. 4